| I. Number | Hits        | Search Text  | nR                     | Time atomic      |
|-----------|-------------|--|------------------------|------------------|
|           | 2           | 9845205.did.   | USPAT:                 | 2002/11/03 13:19 |
|           | 1           |  | US-PGPUB:              |                  |
|           |             |  | EPO; JPO;              |                  |
|           |             |  | DERWENT;               |                  |
| 1         | 2452        | ((422/100) or (436/180)).ccLS.   | IBM_TDB<br>USPAT:      | 2002/11/03 13:33 |
|           |             |  | US-PGPUB;              | 1                |
|           |             |  | EPO; JPO;              |                  |
|           |             |  | DERWENT;               |                  |
| 1         | 1691        | (((422/100) or (436/180)).CCLS.) and @ad<=19980320                                     | USPAT;                 | 2002/11/03 14:22 |
|           |             |  | US-PGPUB;              |                  |
|           |             |  | EPO; JPO;              |                  |
|           |             |  | IBM_TDB                |                  |
| 1         | 8<br>8<br>8 | ((((422/100) or (436/180)).CCLS.) and @ad<=19980320) and piezoelectric\$4              | USPAT;                 | 2002/11/03 14:14 |
|           |             |  | EPO; JPO;              |                  |
|           |             |  | DERWENT;<br>IBM TDB    |                  |
| ı         | 384         | ((422/100) or (436/180)).CCLS.   | EPO; JPO;              | 2002/11/03 13:29 |
| -         |             |  | DEKWENT;               |                  |
| ı         | Н           | ((((422/100) or (436/180)).CCLS.) and @ad<=19980320) and piezoelectric\$4              | USPAT;                 | 2002/11/03 13:30 |
|           | ·           |  | US-PGPUB;              |                  |
|           |             |  | DERWENT;               |                  |
|           | 283         | (1/422/100) or (436/180)) CCTS ) and Gad/=19980320                                     | IBM TDB                | 2002/11/03       |
|           | )           |  | DERWENT;               | 7                |
| •         | ,           |  | IBM_TDB                |                  |
| <b>1</b>  | 172         | (((422/100) or (436/180)).CCLS.) and piezoelectric\$4<br>((422/100) or (436/180)) CCLS | USOCR                  | 2002/11/03 13:30 |
| 1         | 1529        | ((422/63) or (436/43)).ccls.   | USPAT;                 | 2002/11/03 13:34 |
|           |             |  | US-PGPUB;              |                  |
| -         |             |  | EPO; JPO;              |                  |
|           |             |  | DEKWENI;<br>IRM TDR    |                  |
| ı         | 1203        | (((422/63) or (436/43)).CCLS.) and @ad<=19980320                                       | USPAT;                 | 2002/11/03 13:34 |
|           |             |  | US-PGPUB;<br>EPO; JPO; |                  |
|           |             |  | DERWENT;               |                  |
| ı         | 13          | (((422/63) or (436/43)).CCLS.) and @ad<=19980320) and piezoelectric\$4                 | IBM TDB<br>USPAT;      | 2002/11/03 13:34 |
|           |             |  | US-PGPUB;              |                  |
|           |             |  | EPO; JPO;<br>DERWENT;  |                  |
|           |             |  | IBM_TDB                |                  |

|   |   | US-PGPUB;   |  |
|---|---|---|--|
| (141/237).ccLS.   |   | DERWENT; DERWENT; DERWENT; USPAT; US-PGPUB; EPO; JPO; | 2002/11/03 13:50   |
| (((141/237).CCLS.) and  | Gad<=19980320) and piezoelectric\$4   | DERWENT; IBM_TDB USPAT; US-PGPUB; RPO: JPO:           | 2002/11/03 13:50   |
| ((141/237).CCLS.) and   | @ad<=19980320   | DERWENT;<br>IBM TDB<br>USPAT;<br>US-PGPUB;            | 2002/11/03 13:52   |
| 45205.did.  |   | LERWENT; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO;  | 2002/11/03 13:5  |
| 9845205.did. or 9726539<br>0438136.did.   | 9.did. or 9744134.did. or 0810438.did. or   | DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO;           | 2002/11/03 13:5  |
| 9726539.URPN.<br>9726539.URPN.<br>5958342.URPN.<br>("2512743"   "3613952"<br>"4432699"   "4905526"<br>"5622897"   "5741554" | "3766785"   "3827305"   "3840758"   "3991617"<br>  "5045286"   "5236473"   "5241363"   "5518179"<br>  "5743960"   "5785926"   "5807522"   "5855851"   | DERWENT; IBM_TDB USPĀT USPĀT USPĀT                    | 2002/11/03 13:54<br>2002/11/03 13:54<br>2002/11/03 13:55<br>2002/11/03 13:56 |
| 29.URPN.<br>29.URPN.<br>39.URPN.<br>oelectric\$4 with (date\$1 or microplate  |   | USPAT<br>USPAT<br>USPAT<br>USPAT;<br>US-PGPUB;        | 2002/11/03 13:58<br>2002/11/03 13:58<br>2002/11/03 13:58<br>2002/11/03 14:23 |
| ((piezoelectric\$4 with (<br>or plate\$1 or microplate  | (dispens\$5 or aspirat\$3 or pipett\$2)) and (tray\$1te\$1 or micro-plate\$1) and @ad<=19980320   |   | 2002/11/03 14:0  |
| 203759.URPN.<br>"2512743"   "3613952"<br>4432699"   "4905526"<br>5622897"   "5741554"<br>5916524"   "5927547"               | "3766785"   "3827305"   "3840758"   "3991617"<br>  "5045286"   "5236473"   "5241363"   "5518179"  <br>  "5743960"   "5785926"   "5807522"   "5855851"  <br>  "5958342"   "6063339"   "6083762").PN. | IBM_TDB<br>USPAT<br>USPAT                             | 2002/11/03 14:09   |

| 1       | 76   | ((((422/100) or (436/180)).CCLS.) and @ad<=19980320) and jet\$4  | USPAT;<br>US-PGPUB;   | 2002/11/03 14:14   |
|---------|------|--|---|--|
| 1       | 16   | ((((422/100) or (436/180)).CCLS.) and @ad<=19980320) and (jet\$4 or (pulse near jet\$4) or (bubblejet) or (bubblejet)  | EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO;               | 2002/11/03 14:20   |
| 1       | 1830 | ((jet\$4 or (pulse near jet\$4) or (pulsejet\$4) or (bubblejet) or (bubble near jet)) with (dispens\$5 or aspirat\$3 or pipett\$2)) and (tray\$1 or plate\$1 or microplate\$1 or micro-plate\$1)   | DEKWENT;<br>IBM_TDB<br>USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT; | 2002/11/03 14:21   |
| 1       | 7    | (((((422/63) or (436/43)).CCLS.) and @ad<=19980320) and piezoelectric\$4) and (jet\$4 or (pulse near jet\$4) or (pulsejet\$4) or (bubblejet) or (bubble near jet))   | IBM TDB<br>USPAT;<br>US-PGPUB;<br>EPO; JPO;                         | 2002/11/03 14:21   |
| 1       | 1226 | (((jet\$4 or (pulse near jet\$4) or (pulsejet\$4) or (bubblejet) or (bubble near jet)) with (dispens\$5 or aspirat\$3 or pipett\$2)) and (tray\$1 or plate\$1 or microplate\$1 or micro-plate\$1) and @ad<=19980320  | IBM TDB<br>USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;             | 2002/11/03 14:49   |
| I       | 23   | ("3281860"   "3710933"   "4121222"   "4373071"   "4458066"   "4500707"   "4728502"   "4731325"   "4780504"   "4812512"   "4877745"   "4992383"   "5021550"   "5047524"   "5141813"   "5143854"   "5155319"   "5256549"   "5256 | IBM TDB<br>USPAT  | 2002/11/03 14:41   |
| 1 1 1 1 | 139  | PN.   "5556762").PN.   "5556762").PN.   "5143854"   "5252743"   "5378638"       "5753439"   "5770456"  | USPAT<br>USPAT<br>USPAT<br>USPAT                                    | 2002/11/03 14:42<br>2002/11/03 14:43<br>2002/11/03 14:44<br>2002/11/03 14:44 |
| 1 1 1   | 5821 | "6051380").PN.<br>6331441.URPN.<br>4883760.URPN.<br>chromatograph\$2 and combinator\$3   | USPAT<br>USPAT<br>USPAT;<br>US-PGPUB;<br>EPO; JPO;                  | 2002/11/03 14:45<br>2002/11/03 14:46<br>2002/11/03 14:49                     |
| I       | 425  | chromatograph\$2 with combinator\$3  | DERWENT;<br>IBM_TDB<br>USPAT;<br>US-PGPUB;                          | 2002/11/03 14:50   |
| ı       | 16   | (chromatograph\$2 with combinator\$3) and 422/\$.ccls.   | DERWENT;<br>IBM TDB<br>USPAT;<br>US-PGPUB;<br>EPO; JPO;             | 2002/11/03 14:48   |
|         |      |  | IBM TDB   |  |

| - 16 ((chromatograph\$2 with combinator\$3) and \$22\$.ccis.) and \$22\$.ccis. USPAPUS EDO. JPD EMPREY: - 5796 chromatograph\$2 and combinatorial and @ad<=19980320 USPATUS EDO. JPD EMPREY: - 1964 (chromatograph\$2 and combinatorial) and @ad<=19980320 USPATUS EDO. JPD EMPREY: - 530 chromatograph\$2 with (combinator\$3 or (high near throughput) or USPATUS EDO. JPD EMPREY: - 63 (chromatograph\$2 with (combinator\$3 or (high near throughput) or USPATUS EDO. JPD EMPREY: - 63 (chromatograph\$2 with (combinator\$3 or (high near throughput) or USPATUS EDO. JPD EMPREY: - 63 (chromatograph\$2 with (combinator\$3 or (high near throughput) or USPATUS EDO. JPD EMPREY: - 63 (chromatograph\$2 with (combinator\$3 or (high near throughput) or USPATUS EDO. JPD EMPREY: - 63 (chromatograph\$2 with (combinator\$3 or (high near throughput) or USPATUS EDO. JPD EMPREY: - 63 (chromatograph\$2 with (combinator\$3 or (high near throughput) or USPATUS EDO. JPD EMPREY: - 63 (chromatograph\$2 with (combinator\$3 or (high near throughput) or USPATUS EDO. JPD EMPREY: - 63 (chromatograph\$2 with (combinator\$3 or (high near throughput) or USPATUS EDO. JPD EMPREY: - 64 (high-throughput)) and @ad<=19980320 (high near throughput) or USPATUS EDO. JPD EMPREY: - 65 (high-throughput)) and @ad<=19980320 (high near throughput) or USPATUS EDO. JPD EMPREY: - 65 (high-throughput)) and @ad<=19980320 (high near throughput) or USPATUS EDO. JPD EMPREY: - 65 (high-throughput)) and @ad<=19980320 (high near throughput) or USPATUS EDO. JPD EMPREY: - 65 (high-throughput)) and @ad<=19980320 (high near throughput) or USPATUS EDO. JPD EMPREY: - 65 (high-throughput)) and @ad<=19980320 (high near throughput) or USPATUS EDO. JPD EMPREY: - 65 (high-throughput)) and @ad<=19980320 (high near throughput) or USPATUS EDO. JPD EMPREY: - 65 (high-throughput)) and @ad<=19980320 (high near throughput) or USPATUS EDO. JPD EMPREY: - 65 (high throughput) or USPATUS EDO. JPD EMPREY: - 65 (high throughput) or USPATUS EDO. JPD EMPREY: - 65 (high throughput) or USPATUS EDO. JPD EMPREY: - 65 (high throughput) or                          |   |  |  |  |  |  |                                   |          |
|--|---|--|--|--|--|--|-----------------------------------|----------|
| 16 ((chromatograph\$2 with combinator\$3) and 422/\$.ccls.) and 422/\$.ccls. Uspay.  5796 chromatograph\$2 and combinatorial and @ad<=19980320 Uspay.  1964 (chromatograph\$2 and combinatorial) and @ad<=19980320 Uspay.  530 chromatograph\$2 with (combinator\$3 or (high near throughput) or Uspay.  (high-throughput)) and @ad<=19980320 (high near throughput) or Uspay.  (chromatograph\$2 with (combinator\$3 or (high near throughput) or Uspay.  (high-throughput))) and @ad<=19980320 (high near throughput) or Uspay.  (chromatograph\$2 with (combinator\$3 or (high near throughput) or Uspay.  (high-throughput))) and @ad<=19980320 (high near throughput) or Uspay.  (Chromatograph\$2 with (combinator\$3 or (high near throughput) or Uspay.  (Chromatograph\$2 with (combinator\$3 or (high near throughput) or Uspay.  (Chromatograph\$2 with (combinator\$3 or (high near throughput) or Uspay.  (Chromatograph\$2 with (combinator\$3 or (high near throughput) or Uspay.  (Chromatograph\$2 with (combinator\$3 or (high near throughput) or Uspay.  (Chromatograph\$2 with (combinator\$3 or (high near throughput) or Uspay.  (Chromatograph\$2 with (combinator\$3 or (high near throughput) or Uspay.  (Chromatograph\$2 with (combinator\$3 or (high near throughput) or Uspay.  (Chromatograph\$2 with (combinator\$3 or (high near throughput) or Uspay.  (Chromatograph\$2 with (combinator\$2 or (high near throughput) or Uspay.  (Chromatograph\$2 with (combinator\$3 or (high near throughput) or Uspay.  (Chromatograph\$2 with (combinator\$3 or (high near throughput) or Uspay.  (Chromatograph\$2 with (combinator\$3 or (high near throughput) or Uspay.  (Chromatograph\$2 with (combinator\$3 or (high near throughput) or Uspay.  (Chromatograph\$2 with (combinator\$3 or (high near throughput) or Uspay.  (Chromatograph\$2 with (combinator\$3 or (high near throughput) or Uspay.  (Chromatograph\$2 with (combinator\$3 or (high near throughput) or Uspay.  (Chromatograph\$2 with (combinator\$3 or (high near throughput) or Uspay.  (Chromatograph\$2 with (combinator\$3 or (high near throughput) or Uspay.  (Chromato | 3 14:48   | 3 14:49                                    | 3 14:51  | 3 14:50  |  | 3 14:53  | 14:56                             |          |
| 16 ((chromatograph\$2 with combinator\$3) and 422/\$.ccls.) and 422/\$.ccls. Uspay.  5796 chromatograph\$2 and combinatorial and @ad<=19980320 Uspay.  1964 (chromatograph\$2 and combinatorial) and @ad<=19980320 Uspay.  530 chromatograph\$2 with (combinator\$3 or (high near throughput) or Uspay.  (high-throughput)) and @ad<=19980320 (high near throughput) or Uspay.  (chromatograph\$2 with (combinator\$3 or (high near throughput) or Uspay.  (high-throughput))) and @ad<=19980320 (high near throughput) or Uspay.  (chromatograph\$2 with (combinator\$3 or (high near throughput) or Uspay.  (high-throughput))) and @ad<=19980320 (high near throughput) or Uspay.  (Chromatograph\$2 with (combinator\$3 or (high near throughput) or Uspay.  (Chromatograph\$2 with (combinator\$3 or (high near throughput) or Uspay.  (Chromatograph\$2 with (combinator\$3 or (high near throughput) or Uspay.  (Chromatograph\$2 with (combinator\$3 or (high near throughput) or Uspay.  (Chromatograph\$2 with (combinator\$3 or (high near throughput) or Uspay.  (Chromatograph\$2 with (combinator\$3 or (high near throughput) or Uspay.  (Chromatograph\$2 with (combinator\$3 or (high near throughput) or Uspay.  (Chromatograph\$2 with (combinator\$3 or (high near throughput) or Uspay.  (Chromatograph\$2 with (combinator\$3 or (high near throughput) or Uspay.  (Chromatograph\$2 with (combinator\$2 or (high near throughput) or Uspay.  (Chromatograph\$2 with (combinator\$3 or (high near throughput) or Uspay.  (Chromatograph\$2 with (combinator\$3 or (high near throughput) or Uspay.  (Chromatograph\$2 with (combinator\$3 or (high near throughput) or Uspay.  (Chromatograph\$2 with (combinator\$3 or (high near throughput) or Uspay.  (Chromatograph\$2 with (combinator\$3 or (high near throughput) or Uspay.  (Chromatograph\$2 with (combinator\$3 or (high near throughput) or Uspay.  (Chromatograph\$2 with (combinator\$3 or (high near throughput) or Uspay.  (Chromatograph\$2 with (combinator\$3 or (high near throughput) or Uspay.  (Chromatograph\$2 with (combinator\$3 or (high near throughput) or Uspay.  (Chromato | 002/11/03   | 002/11/03                                  | 002/11/03  | 002/11/03  | 002/11/03  | 002/11/03  | 002/11/03                         |          |
| (chromatograph\$2 with combinator§3) and 422/\$.ccls.) and 422/\$.ccls.  5796 chromatograph\$2 and combinatorial  1964 (chromatograph\$2 and combinatorial) and @ad<=19980320  (high-chroughput))  63 (chromatograph\$2 with (combinator§3 or (high near throughput) or (high-throughput)) and @ad<=19980320  (high-throughput)), and @ad<=19980320  (chromatograph\$2 with (combinator§3 or (high near throughput) or (high-throughput))) and @ad<=19980320  (high-throughput))) and @ad<=19980320  |   |  |  |  | .1710  |  |                                   |          |
| 16 ((chromatograph\$2 with combinators3)  5796 chromatograph\$2 and combinatorial) a  1964 (chromatograph\$2 with (combinators3) or (high-throughput))  63 (chromatograph\$2 with (combinators3 or (high-throughput))) and @ad<=19980320  63 (chromatograph\$2 with (combinators3 or (high-throughput))) and @ad<=19980320  (high-throughput))) and @ad<=19980320  | USPAT;<br>US-PGPUB;   | EPO; JPO;<br>DERWENT;<br>IBM_TDB<br>USPAT; | US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB<br>USPAT;<br>US-PGPUB; | EPO; JPO;<br>DERWENT;<br>IBM TDB<br>USPAT;<br>US-PGPUB;<br>EPO: JPO;                 | DERWENT;<br>DERWENT;<br>IBM TDB<br>USPAT;<br>US-PGPUB;<br>EPO; JPO;                                      | DERWENT;<br>IBM TDB<br>USPAT;<br>US-PGPUB;<br>EPO; JPO;  | DERWENT; IBM_TDB USPAT; US-PGPUB; | DERWENT; |
| t t i i i i i i i i i i i i i i i i i i  | ((chromatograph\$2 with combinator\$3) and 422/\$.ccls.) and 422/\$.ccls. | chromatograph\$2 and combinatorial         | (chromatograph\$2 and combinatorial) and @ad<=19980320               | chromatograph\$2 with (combinator\$3 or (high near throughput) or (high-throughput)) | (chromatograph\$2 with (combinator\$3 or (high near throughput) or (high-throughput))) and @ad<=19980320 | (chromatograph\$2 with (combinator\$3 or (high near throughput) or (high-throughput))) and @ad<=19980320 | balch.in.                         |          |
|  | 1   | ı  | ı  | I  | 1  | ı  | l                                 |          |